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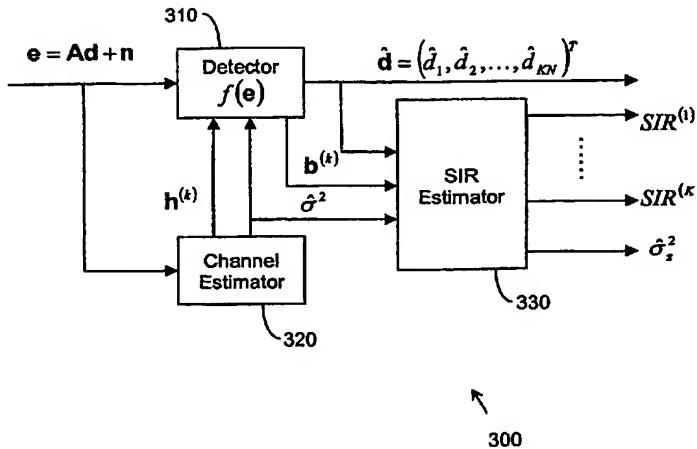
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[Continued on next page]

(54) Title: METHOD AND ARRANGEMENT FOR NOISE VARIANCE AND SIR ESTIMATION



(57) Abstract: A method and arrangement (300) for noise variance and SIR estimation in a UTRAN Node B (122) or User Equipment (118) estimates the SIR at the output of a detector (310) by using an estimate of the detector input noise variance to provide an estimate of the detector output noise variance. The detector input noise variance is derived from a midamble portion (220) in the received signal. By deriving the transfer function of the detector an estimate of the detector output noise variance is estimated. The estimated output noise variance then allows an improved estimate of the SIR at the detected output.



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